

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P505908

Luminaire Tested: **14PD-35-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PW1-L830
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

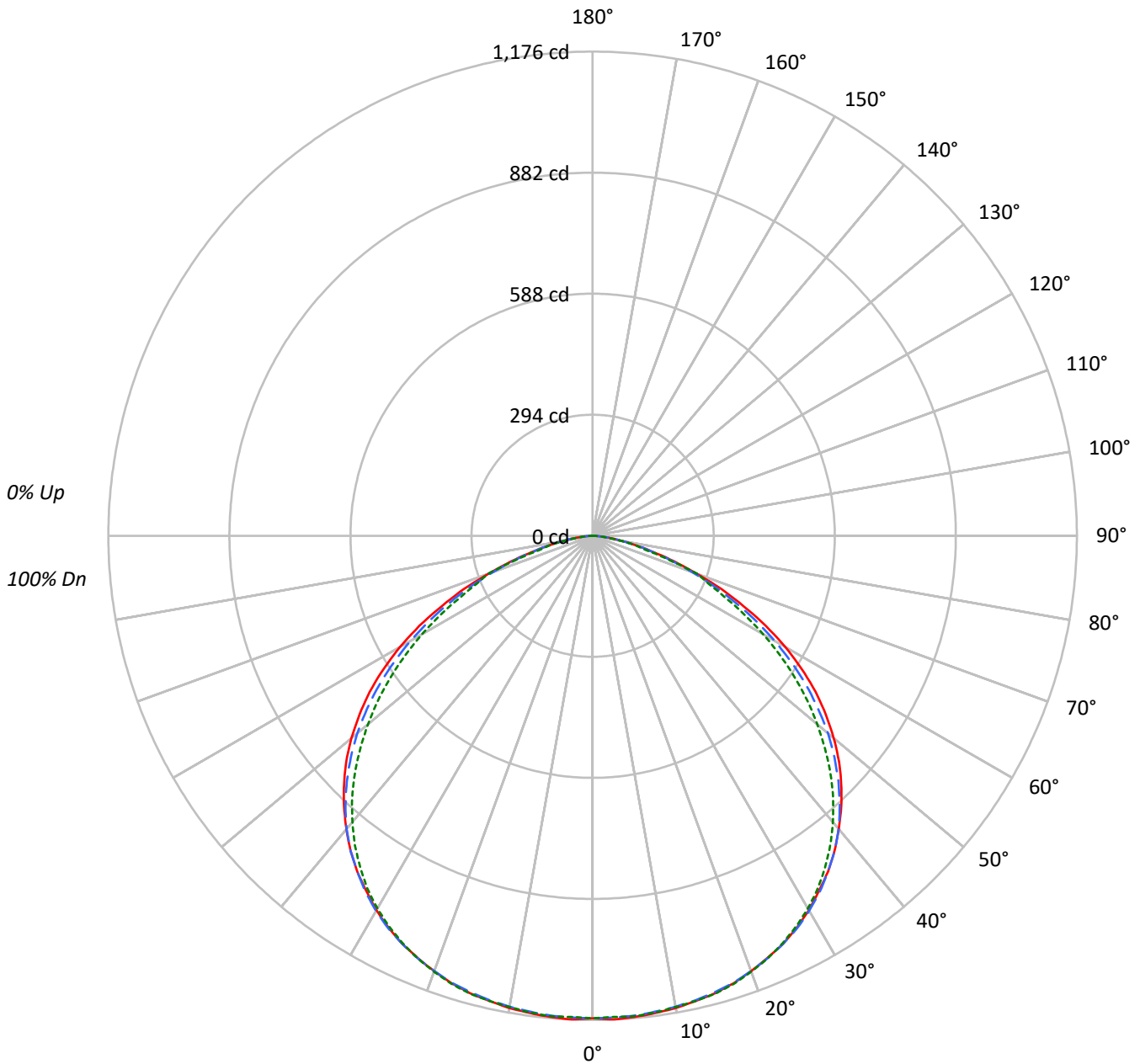
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3337.5 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3154	3154	3154
5°	3169	3160	3164
10°	3182	3173	3175
15°	3204	3197	3208
20°	3223	3221	3227
25°	3247	3247	3241
30°	3263	3269	3248
35°	3273	3273	3232
40°	3267	3265	3188
45°	3250	3212	3108
50°	3201	3123	2981
55°	3102	2971	2810
60°	2906	2745	2574
65°	2573	2425	2265
70°	2101	2006	2116
75°	1585	1556	1398
80°	1139	1068	1068
85°	716	676	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	3.3
10°-20°	324.4	9.7
20°-30°	503.6	15.1
30°-40°	620.2	18.6
40°-50°	645.8	19.3
50°-60°	561.6	16.8
60°-70°	377.3	11.3
70°-80°	163.3	4.9
80°-90°	30.0	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	939.4	28.1
0°-40°	1559.7	46.7
0°-60°	2767.0	82.9
0°-90°	3337.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3337.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1173	1166	1170	1173	1171	112
15°	1150	1142	1147	1151	1151	325
25°	1094	1088	1094	1094	1092	504
35°	996	994	996	988	984	623
45°	854	851	844	825	817	658
55°	661	649	633	608	599	588
65°	404	397	381	363	356	400
75°	152	154	150	153	134	168
85°	23	24	22	19	19	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.9	1171.9	1171.9	1171.9	1171.9
2.5°	1175.9	1168.6	1171.2	1175.2	1169.9
5°	1173.2	1165.9	1169.9	1172.6	1171.2
7.5°	1169.2	1163.9	1165.9	1168.6	1167.9
10°	1164.6	1159.3	1161.3	1163.9	1162.0
12.5°	1157.3	1151.4	1155.3	1158.0	1157.3
15°	1150.0	1142.1	1147.4	1151.4	1151.4
17.5°	1139.4	1132.8	1138.1	1141.4	1140.8
20°	1125.5	1120.9	1124.9	1127.5	1126.8
22.5°	1109.6	1106.3	1110.9	1110.9	1110.9
25°	1093.7	1088.4	1093.7	1093.7	1091.7
27.5°	1073.2	1068.5	1075.2	1073.2	1069.9
30°	1050.0	1047.3	1052.0	1048.7	1045.4
32.5°	1022.8	1021.5	1026.1	1019.5	1016.9
35°	996.3	993.7	996.3	987.7	983.8
37.5°	965.2	962.6	965.2	953.9	948.0
40°	930.1	928.1	929.4	914.9	907.6
42.5°	893.7	891.7	888.4	870.5	864.5
45°	853.9	851.3	844.0	824.8	816.8
47.5°	811.5	806.9	796.3	775.7	765.1
50°	764.5	757.9	745.9	723.4	712.1
52.5°	713.5	705.5	690.3	667.8	657.2
55°	661.1	649.2	633.3	608.1	598.9
57.5°	601.5	588.9	572.4	549.2	538.6
60°	539.9	527.3	510.1	488.9	478.3
62.5°	474.3	463.1	445.8	426.0	416.7
65°	404.1	396.8	380.9	363.0	355.7
67.5°	337.9	330.6	317.3	302.1	304.7
70°	267.0	266.3	255.0	244.4	269.0
72.5°	208.0	206.7	200.7	195.4	194.1
75°	152.4	153.7	149.7	153.0	134.5
77.5°	107.3	108.6	108.0	98.7	103.3
80°	73.5	73.5	68.9	65.6	68.9
82.5°	44.4	53.0	47.7	39.1	37.8
85°	23.2	23.8	21.9	19.2	19.2
87.5°	8.6	9.9	8.6	7.9	7.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)